

AMENDMENT TO THE SPECIFICATION

Please amend the Specification by marked up replacement paragraph(s) as follows.

Please amend the first full paragraph on page 2 of the Specification, i.e., lines 1-3, with the following:

-- The SMS, EMS and MMS messaging services have all been ~~standardised~~ standardized in third generation mobile communications in the ETSI/3GPP forum. --

Please amend the second full paragraph on page 2 of the Specification, i.e., lines 4-7, with the following:

-- To date, no instant messaging services have been ~~standardised~~ standardized within ETSI/3GPP, but there is a desire to introduce instant messaging services in wireless mobile communication systems. --

Please amend the fourth full paragraph on page 2 of the Specification, i.e., lines 16-19, with the following:

-- Furthermore, in introducing instant messaging services into the ~~standardised~~ standardized environment of SMS/MMS, it is desirable for the architecture of the environment to remain unchanged such that the existing ~~standardisation~~ standardization is unaffected. --

Please amend the fifth full paragraph on page 2 of the Specification, i.e., lines 20-25, with the following:

-- In current work there have been proposals to introduce instant messaging services within the ETSI/3GPP ~~standardisation~~ standardization by keeping the MMS architecture similar to the existing ~~standardised~~ standardized MMS architecture, but replacing the WAP push mechanism used with an SIP NOTIFY mechanism. The SIP NOTIFY mechanism is standardized in the IETF. --

Please amend the fourth full paragraph on page 3 of the Specification, i.e., lines 17-21, with the following:

-- All messages are preferably processed by an application associated with the second message type. For messages of the first type, the application associated with the second message type forwards the message to an application associated with messages of the ~~second~~ first type. --

Please amend the paragraph stemming pages 4 and 5 the Specification, i.e., page 4, line 30 – page 5, line 2, with the following:

-- The invention ~~utilises~~ utilizes an enhancement to the SIP MESSAGE, which is a method in the SIP protocol, not a header. This enables the ~~utilisation~~ utilization of a single technology for multiple messaging services. --

Please amend the first full paragraph on page 5 the Specification, i.e., lines 3-8, with the following:

-- The invention preferably provides a new SIP header or value field to be able to ~~utilises~~ utilizes a single technology for different types of messaging services. Currently, ETSI/3GPP has ~~standardised~~ standardized SMS and MMS (and EMS in the process), in accordance with the

present invention the ~~standardisation~~ standardization of instant messaging services within ETSI/3GPP is possible. --

Please amend the second full paragraph on page 5 the Specification, i.e., lines 9-11, with the following:

In the ~~standardisation~~ standardization of instant messaging work it is highly probable that instant messaging, chat and MMS enhancements will be ~~standardised~~ standardized. --

Please amend the fourth full paragraph on page 7 of the Specification, i.e., lines 18-19, with the following:

-- Responsive thereto the IMS application server sends a subscribe request 104 to the MMS application 18. --

Please amend the first full paragraph on page 8 of the Specification, i.e., lines 1-8, with the following:

-- The user B, which provides the MMS content requested by the user A, sends an SMTP (simple mail transport protocol) message 106 to the MMS application server 106. The MMS application server ~~22~~ 106 thereafter makes a HTTP post 108 to the MMS application 18. The trigger to send this MMS in the first place is totally internal to the user sending the message. It is addressed to MMS server 18, and that is why it gets routed there. --

Please amend the paragraph stemming pages 8 and 9 of the Specification, i.e., page 8, line 25 – page 9, line 6, with the following:

-- In the example illustrated in FIG. 2, it is assumed that the mobile terminal 10 initiates the instant messaging session first. As such, an SIP message 204 associated with the terminal ~~202~~ 10 is forwarded by the IMS application server 20 to the IMS application server 24. On receipt of the SIP message 204, and the receipt of the SIP message 206, the IMS application server 24 identifies that both parties requesting an instant messaging session are available, and transmits an OK message 208 to the IMS application server 20 and an OK message 210 to the user terminal 16. The IMS application server 20 forwards an OK message 212 to the user terminal 10. As such, an instant messaging session is established between the two users. --

Please amend the first full paragraph on page 11 of the Specification, i.e., lines 9-12, with the following:

-- Thus, if the modification of the ~~standardised~~ standardized SIP message headers to incorporate an identity of the type of message was not justified, the P-header could instead be used. The P headers take the format of P-XXXX. --

Please amend the second full paragraph on page 11 of the Specification, i.e., lines 13-24, with the following:

-- In the presently described embodiment of the invention, it is required to distinguish between two different types of message service type. As such, the presence or absence of a particular P-header could simply be used to indicate the type of message. The P-XXXX header may then be created for the SIP message in dependence on the application from which the

message is created. That is, if the MMS application is used to create the message the P-header is set, and if the IM application is used to create the message the P-header is not set. Furthermore, this header can also be ~~utilised~~ utilized in the receiving terminal to identify whether the message is intended for an IMS or MMS application. --

Please amend the second full paragraph on page 12 of the Specification, i.e., lines 10-19, with the following:

-- A further possible implementation of the present invention is to ~~utilise~~ utilize the 'expires' field in the SIP message. If the expiration time is set to $\neq 0$, the IMS application studies the header field value, and if it equals to 0 the message is routed directly to the recipient, otherwise to the MMS application. However a problem with this solution is that if the expiry time has a useful meaning to the IM application, e.g. expired messages are 'grayed', this functionality cannot be achieved as all such messages would be routed to the MMS application. -

Please amend the last paragraph on page 13 of the Specification, i.e., lines 20-23, with the following:

-- Similarly the invention is not limited to using an IMS application server or an MMS application server. The invention may be ~~utilised~~ utilized with any application server related to specific messaging types. --